PLEASE THINK BEFORE YOU PRINT

SMART Sync™ 2010 (Beta)

System Administrator's Guide

Windows® Operating Systems

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02/2010

Check Lists

NOTES

- A **basic installation** includes the minimum components required to get SMART Sync™ classroom management software up and running. The pages of this guide applicable to a basic installation are marked with a green stripe in the top-left corner.
- A **complete installation** includes all components.

Basic Installation

Check	Task	Reference
☐	Ensure your environment meets SMART Sync's minimum requirements.	page 2
☐	If you're installing SMART Sync using the command line interface, or third-party imaging or remote management software, locate the installation packages and supporting files.	page 5
☐	Install SMART Sync Teacher on teachers' computers.	page 7 OR page 9 OR page 10
☐	Install SMART Sync Student on students' computers.	page 7 OR page 9 OR page 10

Complete Installation

Check	Task	Reference
☐	Ensure your environment meets SMART Sync's minimum requirements.	page 2
☐	If you're installing SMART Sync using the command line interface, or third-party imaging or remote management software, locate the installation packages and supporting files.	page 5
☐	Install SMART Sync Teacher on teachers' computers.	page 7 OR page 9 OR page 10
☐	Install SMART Sync Student on students' computers.	page 7 OR page 9 OR page 10
☐	Install SMART Sync Class List Server and Administrator Tool.	page 7 OR page 9 OR page 10
☐	Export information from third-party applications to CSV files.	page 14
☐	Set up a SMART School file.	page 18
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This guide explains how to install and configure SMART Sync classroom management software.

This guide is intended for IT administrators and others experienced with installing, configuring and administering Windows software in a networked environment. To use this guide, you must:

- Know IT terminology such as "registry" and "domain controller"
- Know how to complete basic administrative tasks in Windows® operating systems such as opening the Control Panel or modifying the registry
- Have administrative privileges and access to your school's servers
- Have the SMART Sync CD or access to the SMART Support website

About SMART Sync

SMART Sync consists of four components.

Component	Purpose	Typical Location
Teacher	Allows teacher to connect with students and other teachers (as teacher aides)	Teachers' computers
Student	Allows students to connect with teachers	Students' computers
Class List Server	Connects teachers' and students' computers	Server accessible to all teachers' and students' computers
Administrator Tool	Allows teachers and administrators to create and edit SMART School files, which are central repositories of student, teacher, class, computer lab and computer information, and application and Internet blocking rules	Teachers' or administrators' computers

NOTE

SMART Sync Class List Server and Administrator Tool are optional. You don't need to install them to use SMART Sync Teacher and Student. However, there are benefits to installing them.

Preparing Your Environment

Before installing SMART Sync, read this chapter to ensure your school's computers and network meet the software's minimum requirements.

Computer and Network Requirements

Teachers' and Administrators' Computers

- Pentium® III 600 MHz processor
- 256 MB of RAM
- 100 MB of free hard disk space
- Windows XP, Windows Vista® or Windows 7 operating system
- 800 × 600 or higher resolution display with 16-bit color quality

- Internet Explorer® Internet browser version 5.0 or later
- DirectX® technology version 7.0a or later

Students' Computers

- Pentium III 500 MHz processor
- 128 MB of RAM
- 55 MB of free hard disk space
- Windows XP, Windows Vista or Windows 7 operating system
- 600 × 480 or higher resolution display with 16-bit color quality
- Internet Explorer Internet browser version 5.0 or later
- DirectX technology version 7.0a or later

Network

- 10 Mbps TCP/IP network interface adapter

Display Settings

SMART Sync works best when the teachers' and students' computers are set to the same screen resolution and color depth. However, the software makes adjustments for different color settings and resolutions. For example, if a broadcasting computer (either teacher or student) runs at a higher resolution than a viewing computer, scroll bars appear on the viewing computer so you can view the entire higher-resolution screen.

Similarly, if a broadcasting computer has a higher color setting than a viewing computer, the broadcasting computer's colors are reduced so the user can see it at the viewing computer. For example, if a student's computer has a higher color setting than the teacher's computer, the teacher sees a *Color Reduced* message below the thumbnail. When the teacher views a live, full-screen image, the colors appear slightly degraded.

For information on how to change the display settings of your school's monitors, see the instructions that came with the operating system.

SMART Sync works best when the screen resolution is 1024 × 768. Refer to the following table for the optimal screen resolution and color depth for your school's monitors.

Color Depth/Screen Resolution	High Color (16-bit)	True Color (32-bit)
1024 × 768 or lower	Optimal	Optimal
1152 × 864	Acceptable	Acceptable
1280 × 1024	Acceptable	Acceptable
1600 × 1200	Acceptable	Not recommended

Network Size and Speed

The preferred TCP/IP network configuration for SMART Sync is a switch or a switching hub that restricts network traffic to a particular segment of your local area network. In this configuration, other network traffic doesn't affect your system and SMART Sync doesn't slow down other segments of the network. Network activity is faster when the number of connected students is smaller.

Network Type	Maximum Number of Students
10 Mbps	40
100 Mbps	80
Wireless (single 802.11 a/g access point)	30

TIP

Graphics-rich backgrounds on your students' screens may slow SMART Sync's performance. Performance is best if your students' screens have simple, single-color backgrounds.

Internet Connection Firewalls

If you install SMART Sync on a computer that has an active Internet connection firewall, the firewall can cause network problems. If possible, set the firewall to allow network traffic from SMART Sync. If this doesn't resolve the problem, ensure the following network communication ports are open:

Port	Type	Purpose
5463	TCP	Main teacher to student communications port
5485	TCP	Main teacher to teacher communications port
5496	UDP	Teacher discovery port
5491	UDP	Broadcast port
5493	UDP	Broadcast recovery port
46200	TCP	Class List Server

Chapter 2
Installing SMART Sync

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You can install SMART Sync using one of the following tools:

- Installation wizards
- Command line interface
- Third-party imaging or remote management software

This chapter describes these tools and shows you how to use them to complete a basic installation of SMART Sync.

Locating Installation Files

If you're installing SMART Sync using the command line interface, or third-party imaging or remote management software, first locate the installation packages and supporting files as documented in this section.

Locating Installation Packages

There are two installation packages (also known as MSI files) for SMART Sync:

Installation Package	File Name	Components
SMART Sync Teacher	**SMART Sync 2010.msi**	SMART Sync Teacher, Class List Server and Administrator Tool
SMART Sync Student	**SMART Sync Student 2010.msi**	SMART Sync Student

Both installation packages are located on the SMART Sync CD. The SMART Sync Teacher installation package is located in the **TeacherSetup** folder, and the SMART Sync Student installation package is located in the **StudentSetup** folder.

Alternatively, you can download both packages from www.smarttech.com/downloads (click **SMART Sync software (Windows)** under *Admin tools*).

Save the packages in a location on your school's network that is accessible to all computers on which you plan to install SMART Sync.

Locating Language Files

If you plan to install SMART Sync in a language other than English (U.S.), ensure the corresponding MST file for that language is in the same folder as the MSI file.

File	Language
1033.mst	English (U.S.)
2057.mst	English (UK)
1025.mst	Arabic
2052.mst	Chinese (Simplified)
1029.mst	Czech
1030.mst	Danish
1043.mst	Dutch
1035.mst	Finnish
1036.mst	French
1031.mst	German
1032.mst	Greek
1038.mst	Hungarian
1040.mst	Italian
1044.mst	Norwegian
2070.mst	Portuguese (Portugal)
1046.mst	Portuguese (Brazil)
1049.mst	Russian
1034.mst	Spanish (Spain)
2058.mst	Spanish (Mexico)
1053.mst	Swedish
1055.mst	Turkish

The MST files are available from the same locations as the MSI files.

Using the Installation Wizards

Use the installation wizards if you're installing SMART Sync on a small number of computers or if teachers and students are responsible for installing software on their own computers.

You can start the installation wizards by inserting the SMART Sync CD into the computer or downloading executable (.exe) files from the SMART website.

Installing SMART Sync Teacher, Class List Server and Administrator Tool

To install the software from the CD

1. Insert the SMART Sync CD in the computer.

   The *SMART Sync Classroom Management Software* dialog box appears.

   > **NOTE**
   >
   > If the dialog box doesn't appear, browse to and open ***[CD Drive]*\CDBrowser.exe**.

2. Click **Install Teacher Edition**.

   The SMART Sync Teacher installation wizard appears.

3. Follow the on-screen instructions to install SMART Sync Teacher, Class List Server and Administrator Tool.

To install the software from the website

1. Go to www.smarttech.com/downloads.
2. Click **Windows operating system** under *SMART Sync classroom management software*.
3. Follow the on-screen instructions to download the SMART Sync Teacher installation wizard executable file.
4. Double-click the executable file.
5. Follow the on-screen instructions to install SMART Sync Teacher, Class List Server and Administrator Tool.

Installing SMART Sync Student

To install the software from the CD

1. Insert the SMART Sync CD in the computer.

   The *SMART Sync Classroom Management Software* dialog box appears.

   > **NOTE**
   >
   > If the dialog box doesn't appear, browse to and open ***[CD Drive]*\CDBrowser.exe**.

2. Click **Install Student Edition**.

   The SMART Sync Student installation wizard appears.

3. Follow the on-screen instructions to install SMART Sync Student.

To install the software from the website

1. Go to www.smarttech.com/downloads.
2. Click **Windows operating system** under *SMART Sync classroom management software*.
3. Follow the on-screen instructions to download the SMART Sync Student installation wizard executable file.
4. Double-click the executable file.
5. Follow the on-screen instructions to install SMART Sync Student.

Using the Command Line Interface

Use the command line interface if you prefer to install SMART Sync using a command line interface rather than a GUI installation wizard.

Installing the SMART Sync Components

For basic installations, install SMART Sync Teacher and Student. For complete installations, install all components.

To install SMART Sync Teacher

1. Open a Command Prompt window.
2. Type the following command:

   ```
   msiexec /i "[Path]\SMART Sync 2010.msi" /q
   ```

   Where *[Path]* is the path to the **SMART Sync 2010.msi** file.

3. Press ENTER.

   Windows Installer installs SMART Sync Teacher.

To install SMART Sync Teacher, Class List Server and Administrator Tool

1. Open a Command Prompt window.
2. Type the following command:

   ```
   msiexec /i "[Path]\SMART Sync 2010.msi"
   INSTALLCLASSLISTSERVER=1 INSTALLADMINTOOL=1 /q
   ```

   Where *[Path]* is the path to the **SMART Sync 2010.msi** file.
3. Press ENTER.

   Windows Installer installs SMART Sync Teacher, Class List Server and Administrator Tool.

To install SMART Sync Student

1. Open a Command Prompt window.
2. Type the following command:

   ```
   msiexec /i "[Path]\SMART Sync Student 2010.msi" /q
   ```

   Where *[Path]* is the path to the **SMART Sync Student 2010.msi** file.
3. Press ENTER.

   Windows Installer installs SMART Sync Student.

Customizing Your Installations

When installing the SMART Sync components using the command line interface, you can customize your installations by specifying properties. For example, you can allow students to close SMART Sync Student by setting the **SYNC_DISPLAYEXIT** property to **1**. (By default, students can't close SMART Sync Student.)

See *Windows Installer Properties, Parameters and Examples* on page 43 for a complete list of these properties as well as available parameters and example commands.

Using Third-Party Imaging or Remote Management Software

You can install SMART Sync on multiple computers using third-party imaging or remote management software. This option is best for large installations involving many computers.

Use MST files to customize installation packages. You can create these files using SMART Install Manager (see page 53) or third-party software.

The following procedure shows how to deploy SMART Sync using Windows operating systems' Group Policy-based deployment software. For information on deploying SMART Sync using your organization's third-party imaging or remote management software, see the software's documentation.

> **NOTE**
>
> This procedure may vary depending on your version of Windows operating system and your system preferences.

To deploy an installation package

1. Copy the MSI file and the MST file to ***[Domain Controller]*\NETLOGON**, where *[Domain Controller]* is your school's domain controller.
2. Open the Control Panel.
3. Double-click **Administrative Tools**.
4. Double-click **Active Directory Users and Computers**.

   The *Active Directory Users and Computers* window appears.
5. Right-click your school's domain, and then select **Properties**.

   The *Properties* dialog box appears.
6. Click the **Group Policy** tab, and then click **Edit**.

   The *Group Policy Object Editor* dialog box appears.
7. Browse to and open **Computer Configuration\Software Settings**.
8. Right-click **Software Installation**, and then select **New > Package**.
9. Browse to and select the MSI file from step 1.
10. In the *Deploy Software* section, click **Advanced**, and then click **OK**.
11. Click the **Modifications** tab, and then click **Add**.
12. Browse to and select the MST file from step 1.
13. Click **OK** to apply the MST file to the MSI file.
14. Close all open windows and dialog boxes.

    The next time each computer on the domain starts, it automatically installs the software in Silent mode with the customizations defined in the MST file.

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Configuring SMART Sync

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After installing SMART Sync, you can set up SMART School files and configure SMART Sync Class List Server and Student as described in this chapter.

Setting Up SMART School Files

SMART Sync Administrator Tool allows you to create and edit SMART School (.school) files.

A SMART School file contains information about students, teachers, classes and computer labs in your school as well as rules that teachers can apply to block student

access to applications and websites. If you specify the location of a SMART School file in SMART Sync Teacher, teachers can use this information to connect to their students.

In most situations, you only need to create one SMART School file per school so that all teachers and students in the school can connect to each other. For security reasons, when you create the file, save it in a location accessible to teachers and network administrators, but not to students. After creating the file, you can update it.

Using Information from Third-Party Applications

If you manage school information using a third-party application, you may be able to export the school information to two CSV files (one for students, teachers and classes and the other for computer labs) to use it in your SMART School file (see *Importing School Information* on page 19).

The following is an example student, teacher and class CSV file:

```
ID,Last Name,First Name,Title,Class ID,Class Title,Type
S001,Adams,John,,Eng,English,0
S002,Brook,Sally,,Eng,English,0
S003,Williams,Ronald,,Eng,English,0
T001,Johnson,Adam,Mr.,Eng,English,1
```

The following is a an example computer lab file:

```
Hostname,Workstation Name,Lab ID,Lab Title
127.0.0.1,Main Lab WS1,Main,Main Lab
127.0.0.2,Main Lab WS2,Main,Main Lab
127.0.0.3,Main Lab WS3,Main,Main Lab
127.0.0.4,Main Lab WS4,Main,Main Lab
127.0.0.5,Main Lab WS5,Main,Main Lab
```

To create a student, teacher and class CSV file

1. Export student, teacher and class information from the third-party application to a CSV file.

   NOTE

   See the third-party application's Help for instructions on exporting information to CSV files.

2. Open the CSV file using Excel® or another application that can open CSV files.

3. Ensure the CSV file contains the following columns:

Column Name	Req'd?	Type	Description
Person ID	Yes	String	The student's or the teacher's unique ID. **NOTE** The ID must be unique to the student or teacher. For example, a student and a teacher can't both have the ID 123456.
Last Name	Yes	String	The student's or the teacher's last name.
First Name	Yes	String	The student's or the teacher's first name.
Title	No	String	The student's or the teacher's title (for example, **Mr.**, **Ms.**, or **Dr.**). **NOTE** SMART Sync Administrator Tool only stores this information for teachers.
Class ID	No	String	The unique ID of the student's or the teacher's class.
Class Title	No	String	The name of the student's or the teacher's class. If appropriate, include the class's period to distinguish it from other classes.
Type	Yes	Integer (**0** or **1**)	**0** for a student. OR **1** for a teacher.

NOTES

- The first row of the spreadsheet must contain the column names as listed in the previous table.
- The string columns can contain any character except commas (,).

The following is an example:

	A	B	C	D	E	F	G
1	Person ID	Last Name	First Name	Title	Class ID	Class Title	Type
2	S001	Adams	John		Eng	English	0
3	S002	Brook	Sally		Eng	English	0
4	S003	Willams	Ronald		Eng	English	0
5	S004	Anderson	William		Mth	Math	0
6	S005	Schatz	Roberta		Mth	Math	0
7	S006	White	Ann		Mth	Math	0
8	S007	Fitz	Joseph		Sci	Science	0
9	S008	Harper	Jane		Sci	Science	0
10	S009	Wong	Jane		Sci	Science	0
11	T001	Johnson	Adam	Mr.	Eng	English	1
12	T002	Brodiski	May	Ms.	Mth	Math	1
13	T003	Anders	Jonathon	Dr.	Sci	Science	1

4. Save the CSV file.

To create a computer lab CSV file

1. Export computer lab information from the third-party application to a CSV file.

> **NOTE**
>
> See the third-party application's Help for instructions on exporting information to CSV files.

2. Open the CSV file using Excel or another application that can open CSV files.

3. Ensure the CSV file contains the following columns:

Column Name	Req'd?	Type	Description
Hostname	Yes	String	The computer's host name or IP address (for example, **127.0.0.1**). **NOTE** If your network uses DHCP, refer to the computer by host name rather than by IP address.
Workstation Name	No	String	The computer's name.
Lab ID	Yes	String	The unique ID of the computer's lab.
Lab Title	Yes	String	The name of the computer's lab.

NOTES

- The first row of the spreadsheet must contain the column names as listed in the previous table.
- The string columns can contain any character except commas (,).

The following is an example:

	A	B	C	D
1	Hostname	Workstation Name	Lab ID	Lab Title
2	127.0.0.1	Main Lab WS1	Main	Main Lab
3	127.0.0.2	Main Lab WS2	Main	Main Lab
4	127.0.0.3	Main Lab WS3	Main	Main Lab
5	127.0.0.4	Main Lab WS4	Main	Main Lab
6	127.0.0.5	Main Lab WS5	Main	Main Lab

4. Save the CSV file.

Creating or Opening a SMART School File

The first step in setting up a SMART School file is to start SMART Sync Administrator Tool, and then create or open the file.

To create a new SMART School file

1. Double-click the **SMART Sync Administrator Tool 2010** icon on your desktop.

   OR

   Select **Start > All Programs > SMART Technologies > SMART Sync > SMART Sync Administrator Tool 2010**.

   The *SMART Sync Administrator Tool* window appears.
2. Click **School File**.
3. Click **Create a new SMART School file and save it as**.
4. Click **Browse**.

   The *Select School File Location* dialog box appears.
5. Browse to the folder where you want to create the SMART School file.

   IMPORTANT

   For security reasons, create the SMART School file in a folder accessible to teachers and network administrators, but not to students.
6. Type a name in the *File name* box.
7. Click **Save**.

   The *Select School File Location* dialog box closes, and the path to the SMART School file appears in the box below the *Create a new SMART School file and save it as* option.

To open an existing SMART School file

1. Double-click the **SMART Sync Administrator Tool 2010** icon on your desktop.

   OR

   Select **Start > All Programs > SMART Technologies > SMART Sync > SMART Sync Administrator Tool 2010**.

   The *SMART Sync Administrator Tool* window appears.
2. Click **School File**.
3. Click **Edit the existing SMART School file in this location**.

4. Click **Browse**.

   The *Open School File* dialog box appears.

5. Browse to and select the SMART School file.

6. Click **Open**.

   The *Open School File* dialog box closes, and the path to the SMART School file appears in the box below the *Edit the existing SMART School file in this location* option.

Locating SMART Sync Class List Server

You must enter the host name or IP address of the computer hosting SMART Sync Class List Server in your SMART School files.

To locate SMART Sync Class List Server

1. Ensure SMART Sync Class List Server is running (see *Stopping and Restarting SMART Sync Class List Server* on page 28).

2. Create or open a SMART School file (see *Creating or Opening a SMART School File* on previous page).

3. Click **Class List Server**.

4. Type the host name or IP address of the computer hosting SMART Sync Class List Server in the *Enter the IP address or hostname of your Class List Server* box.

   NOTES

   - SMART Sync Class List Server uses port number 46200 by default. However, you can change the port number (see *Changing the SMART Sync Class List Server Port Number* on page 30). If you do so, you must include the port number after the host name or IP address (for example, **127.0.0.1:46201**).
   - If your network uses DHCP, refer to the SMART Sync Class List Server computer by host name rather than by IP address.

5. Click **Test Connection** to test the connection to the SMART Sync Class List Server computer.

Importing School Information

You can manually enter students, teachers, classes and computer labs in SMART School files using SMART Sync Administrator Tool. Alternatively, you can import this

information from CSV files generated from third-party applications (see *Using Information from Third-Party Applications* on page 14).

To import school information

1. Create or open a SMART School file (see *Creating or Opening a SMART School File* on page 18).
2. Click **Import Information**.
3. Click **Browse** to the right of the *Student, Teacher, Class CSV file Location* box.

   The *Open Classes CSV File* dialog box appears.
4. Navigate to and select a student, teacher and class CSV file.
5. Click **Open**.

   The *Open Classes CSV File* dialog box closes, and the path to the CSV file appears in the **Student, Teacher, Class CSV file Location** box.
6. Click **Browse** to the right of the *Computer, Lab CSV File Location* box.

   The *Open Labs CSV File* dialog box appears.
7. Navigate to and select a computer lab CSV file.
8. Click **Open**.

   The *Open Labs CSV File* dialog box closes, and the path to the CSV file appears in the *Computer, Lab CSV File Location* box.

Entering Student, Teacher and Class Information

You can import student, teacher, and class information from a CSV file (see *Importing School Information* on previous page). Alternatively, you can manually enter student, teacher and class information in a SMART School file using SMART Sync Administrator Tool.

Entering Student Information

To add a student

1. Create or open a SMART School file (see *Creating or Opening a SMART School File* on page 18).
2. Click **Students**.
3. Click **Add Student**.

   A new row appears in the table.
4. Type the student's last name in the *Last Name* column.

5. Type the student's first name in the *First Name* column.
6. Type the student's ID in the *Student ID* column.

> **NOTE**
>
> SMART Sync Administrator Tool generates a random ID for the student if you don't specify one.

To remove a student

1. Open a SMART School file (see *Creating or Opening a SMART School File* on page 18).
2. Click **Students**.
3. Select the student's row in the table.
4. Click **Remove Student**.

   The *Confirm Deletion* dialog box appears.
5. Click **Yes**.

> **TIP**
>
> Select the **Don't warn me again this session** check box to prevent the *Confirm Deletion* dialog box from reappearing for the remainder of the session.

Entering Teacher Information

To add a teacher

1. Create or open a SMART School file (see *Creating or Opening a SMART School File* on page 18).
2. Click **Teachers**.
3. Click **Add Teacher**.

   A new row appears in the table.
4. Type the teacher's last name in the *Last Name* column.
5. Type the teacher's first name in the *First Name* column.
6. Type the teacher's title in the *Title* column (for example, **Mr.**, **Ms.** or **Dr.**).

To remove a teacher

1. Open a SMART School file (see *Creating or Opening a SMART School File* on page 18).

2. Click **Teachers**.
3. Select the teacher's row in the table.
4. Click **Remove Teacher**.

   The *Confirm Deletion* dialog box appears.
5. Click **Yes**.

> **TIP**
>
> Select the **Don't warn me again this session** check box to prevent the *Confirm Deletion* dialog box from reappearing for the remainder of the session.

Entering Class Information

To add a class

1. Create or open a SMART School file (see *Creating or Opening a SMART School File* on page 18).
2. Click **Classes**.
3. Click **Add**.

   A new row appears in the table.
4. Type a name in the *Class Name* column (for example, **5th Grade Math**).

   If appropriate, include the class's period to distinguish it from other classes.
5. Select the name of a teacher or student you want to include in the *All Students and Teachers* list, and then click to move it to the *Class Members* list.

> **NOTES**
>
> - In the *All Students and Teachers* and *Class Members* lists, teachers' names appear in red text and students' names appear in black text.
> - To remove teachers or students from a class, select their names in the *Class Members* list, and then click to move them to the *All Students and Teachers* list.

6. Repeat step 5 for each teacher or student that you want to add to the class.

To remove a class

1. Open a SMART School file (see *Creating or Opening a SMART School File* on page 18).
2. Click **Classes**.
3. Select the class's row in the table.
4. Click **Remove**.

   The *Confirm Deletion* dialog box appears.
5. Click **Yes**.

> **TIP**
>
> Select the **Don't warn me again this session** check box to prevent the *Confirm Deletion* dialog box from reappearing for the remainder of the session.

Entering Computer Lab Information

You can import computer lab information from a CSV file (see *Importing School Information* on page 19). Alternatively, you can manually enter computer lab information in a SMART School file using the *Computer Labs* section of SMART Sync Administrator Tool.

To add a computer lab

1. Create or open a SMART School file (see *Creating or Opening a SMART School File* on page 18).
2. Click **Computer Labs**.
3. Click **Add**.

   A new row appears in the computer lab table.
4. Type a name in the *Lab Name* column (for example, **Main Lab**).
5. Click **Add Computer**.

   A new row appears in the computer table.

6. Type the host name or IP address of the computer in the *Hostname* column (for example, **127.0.0.1**).

   NOTE

   If your network uses DHCP, refer to the computer by host name rather than by IP address.

7. Type the name of the computer in the *Workstation Name* column (for example, **Main Lab WS1**).
8. Repeat steps 5 to 7 for each computer you want to add to the computer lab.

   NOTE

   To remove a computer from the computer lab, select the computer, and then click **Remove Computer**.

To remove a computer lab

1. Open a SMART School file (see *Creating or Opening a SMART School File* on page 18).
2. Click **Computer Labs**.
3. Select the computer lab's row in the computer lab table.
4. Click **Remove**.

   The *Confirm Deletion* dialog box appears.

5. Click **Yes**.

   TIP

   Select the **Don't warn me again this session** check box to prevent the *Confirm Deletion* dialog box from reappearing for the remainder of the session.

Creating Administered Application Blocking Rules

An application blocking rule allows teachers either to allow specific applications and block all others or to block specific applications and allow all others. For example, an English teacher could allow access to Microsoft Word but block access to all other applications during the writing of an English paper.

Teachers can individually create and share application blocking rules in SMART Sync Teacher. Alternatively, you can create centrally administered application blocking rules and include them in a SMART School file.

To create a rule

1. Create or open a SMART School file (see *Creating or Opening a SMART School File* on page 18).
2. Click **Application Blocking**.
3. Click **Add**.

   A new row appears in the application blocking rule table.
4. Type a name in the *Rule Name* column (for example, **English Paper**).
5. Select **Block all applications except those listed below** to block all applications except those you include in the rule.

   OR

   Select **Allow all applications except those listed below** to allow all applications except those you include in the rule.
6. Click **Add Application**.

   The *Select Application* dialog box appears.
7. Navigate to and select the application's executable (.exe) file.

   TIP

   Most executable files are located in **C:\Program Files**.
8. Click **Open**.

   The *Select Application* dialog box closes, and a new row appears in the application table.
9. Type a name for the application in the *Display Name* column if you don't want to use the default name.
10. Repeat steps 6 to 9 or each application you want to add to the application blocking rule.

    NOTE

    To remove an application from the application blocking rule, select the application, and then click **Remove Application**.

To delete a rule

1. Open a SMART School file (see *Creating or Opening a SMART School File* on page 18).
2. Click **Application Blocking**.

3. Select the rule's row in the application blocking rule table.
4. Click **Remove**.

   The *Confirm Deletion* dialog box appears.
5. Click **Yes**.

> **TIP**
>
> Select the **Don't warn me again this session** check box to prevent the *Confirm Deletion* dialog box from reappearing for the remainder of the session.

Creating Administered Internet Blocking Rules

An Internet blocking rule allows teachers either to allow specific websites and block all others or to block specific websites and allow all others. For example, a history teacher could block access to online encyclopedias and other history resources during the writing of a history paper.

Teachers can individually create and share Internet blocking rules in SMART Sync Teacher. Alternatively, you can create centrally administered Internet blocking rules and include them in a SMART School file.

To create a rule

1. Create or open a SMART School file (see *Creating or Opening a SMART School File* on page 18).
2. Click **Internet Blocking**.
3. Click **Add**.

   A new row appears in the Internet blocking rule table.
4. Type a name in the *Rule Name* column (for example, **History Paper**).
5. Select **Block all websites except those listed below** to block all websites except those you include in the rule.

   OR

   Select **Allow all websites except those listed below** to allow all websites except those you include in the rule.
6. Click **Add Website**.

   A new row appears in the website table.

7. Type the address of the website in the *Website Address* column (for example, **www.example.com**).
8. Repeat steps 6 to 7 for each website you want to add to the Internet blocking rule.

> **NOTE**
>
> To remove a website from the Internet blocking rule, select the website, and then click **Remove Website**.

To delete a rule

1. Open a SMART School file (see *Creating or Opening a SMART School File* on page 18).
2. Click **Internet Blocking**.
3. Select the rule's row in the Internet blocking rule table.
4. Click **Remove**.

   The *Confirm Deletion* dialog box appears.
5. Click **Yes**.

> **TIP**
>
> Select the **Don't warn me again this session** check box to prevent the *Confirm Deletion* dialog box from reappearing for the remainder of the session.

Reviewing the SMART School File

After setting up a SMART School file, you can review it in the *Summary* section and then close SMART Sync Administrator Tool to save the file. You should complete the following tasks before reviewing and saving the file:

- Locate SMART Sync Class List Server (see *Locating SMART Sync Class List Server* on page 19).
- Import school information (see *Importing School Information* on page 19).

  OR

  Enter student, class and teacher information (see *Entering Student, Teacher and Class Information* on page 20) and computer lab information (see *Entering Computer Lab Information* on page 23).
- Create administered application blocking rules (see *Creating Administered Application Blocking Rules* on page 24).

- Create administered Internet blocking rules (see *Creating Administered Internet Blocking Rules* on page 26).

To review the SMART School file

1. Open a SMART School file (see *Creating or Opening a SMART School File* on page 18).
2. Click **Summary**.

   If any warnings appear, read them and take the appropriate actions.
3. Click **Exit**.

Configuring SMART Sync Class List Server

SMART Sync Class List Server is a Windows service that connects SMART Sync Teacher and SMART Sync Student installations in your school.

In most situations, you don't need to make any changes to SMART Sync Class List Server after installation. However, in some situations, you may need to do the following:

- Stop and restart SMART Sync Class List Server.
- Change the SMART Sync Class List Server port number.

NOTE

These procedures may vary depending on your version of Windows operating system and your system preferences.

Stopping and Restarting SMART Sync Class List Server

SMART Sync Class List Server starts automatically after you install it and each time you turn on the computer. You can manually stop and then restart SMART Sync Class List Server if necessary.

Stopping SMART Sync Class List Server

To stop Class List Server from a command prompt

1. Open a Command Prompt window.
2. Navigate to the folder containing the SMART Sync Class List Server executable file.

   NOTE

   In most installations, this folder is **%PROGRAMFILES%\SMART Technologies\SMART Sync 2010**.

3. Type the following command:

   ```
   SMARTSyncClassListServer.exe -stop
   ```

4. Press ENTER.

   SMART Sync Class List Server stops.

To stop Class List Server from the Services window

1. Open the Control Panel.
2. Double-click **Administrative Tools**.
3. Double-click **Services**.

   The *Services* window appears.

4. Scroll to and select **SMART Sync Class List Server**.
5. Click **Stop**.

   SMART Sync Class List Server stops.

Restarting SMART Sync Class List Server

To restart Class List Server from a command prompt

1. Open a Command Prompt window.
2. Navigate to the folder containing the SMART Sync Class List Server executable file.

   NOTE

   In most installations, this folder is **%PROGRAMFILES%\SMART Technologies\SMART Sync 2010**.

3. Type the following command:

```
SMARTSyncClassListServer.exe -start
```

4. Press ENTER.

   SMART Sync Class List Server starts.

To restart Class List Server from the Services window

1. Open the Control Panel.
2. Switch to **Classic** view if necessary, and then double-click **Administrative Tools**.
3. Double-click **Services**.

   The *Services* window appears.
4. Scroll to and select **SMART Sync Class List Server**.
5. Click **Start**.

   SMART Sync Class List Server starts.

Changing the SMART Sync Class List Server Port Number

The default port number of SMART Sync Class List Server is 46200. You can change the port number if necessary.

To change the port number

1. Stop SMART Sync Class List Server (see *Stopping SMART Sync Class List Server* on previous page).
2. Open a Command Prompt window.
3. Navigate to the folder containing the SMART Sync Class List Server executable file.

   NOTE

   In most installations, this folder is **%PROGRAMFILES%\SMART Technologies\SMART Sync 2010**.
4. Type the following command:

```
SMARTSyncClassListServer.exe -u
```

5. Press ENTER.

   The SMART Sync Class List Server service uninstalls.

6. Type the following command:

```
SMARTSyncClassListServer.exe -i [Port number]
```

7. Press ENTER.

   The SMART Sync Class List Server service reinstalls with the new port number.

8. Restart SMART Sync Class List Server (see *Restarting SMART Sync Class List Server* on page 29).

Configuring SMART Sync Student

Use SMART Sync Student Configuration Tool to configure SMART Sync Student after installation. The tool creates a new file, **SyncClient.ini**, which you can then use to configure other SMART Sync Student installations without running the SMART Sync Student Configuration Tool each time.

Running the SMART Sync Student Configuration Tool

If you want to configure a SMART Sync Student installation, you can manually run the SMART Sync Student Configuration Tool.

To run the SMART Sync Student Configuration Tool

1. Select **Start > All Programs > SMART Technologies > SMART Sync > SMART Sync Student Configuration Tool 2010**.

   OR

   Navigate to and open **%PROGRAMFILES%\SMART Technologies\SMART Sync Student\StudentConfig.exe**.

   The *SMART Sync Student Configuration Tool* dialog box appears.

2. Click **Next**.

3. Select one of the following options:

Option	Select this option to:
Visible to students	Show the SMART Sync user interface to the student.
Hidden from students	Hide the SMART Sync user interface from the student.

NOTE

If you click **Hidden from students**, the student won't be able to do the following:

- Connect to a teacher by selecting the teacher's name from a list
- Manually start SMART Sync Student
- Manually enter an ID after starting SMART Sync Student

The relevant controls in SMART Sync Student Configuration Tool will be disabled or hidden.

4. Select one of the following options:

Option	Select this option to:
Allows the student to select from a list of available teachers	Allow the student to select a teacher from a list. **NOTE** This option is disabled if you clicked **Hidden from student** in step 3.
Automatically connects with this Teacher ID	Connect SMART Sync to a specific teacher through the teacher's ID. Type the ID in the box to the right of the option.
Automatically connects with this hostname or IP address	Connect SMART Sync to a specific teacher through the host name or IP address. Type the host name or IP address in the box to the right of the option. **NOTE** If your network uses DHCP, refer to the computer by host name rather than by IP address.
Uses this Class List Server hostname or IP address	Connect SMART Sync to a specific teacher using SMART Sync Class List Server. Type the host name or IP address of the SMART Sync Class List Server computer in the box to the right of the option. **NOTE** If your network uses DHCP, refer to the SMART Sync Class List Server computer by host name rather than by IP address.

5. If the computer has multiple network adapters, click **Network Adapter Selection** to specify the order of the network adapters.
6. Click **Next**.
7. Clear the **Start SMART Sync Student automatically**… check box if you don't want SMART Sync Student to start when the student first logs on.

NOTE

This check box is disabled if you selected **Hidden from student** in step 3.

8. Select the following check box, and then click **Next**.

Check Box	Select this check box to:
Ask questions	Allow the student to ask questions through SMART Sync.
Chat	Allow the student to chat with other students through SMART Sync.
Submit files	Allow the student to submit files through SMART Sync.
Exit the Student program	Allow the student to close SMART Sync Student.

> **NOTE**
>
> These check boxes aren't visible if you clicked **Hidden from student** in step 3.

9. Select one of the following options, and then click **Next**.

Option	Select this option to:
Student Controlled	Allow the student to enter an ID when SMART Sync Student starts. **NOTE** This option is disabled if you selected **Hidden from student** in step 3.
The following	Enter a specific student ID. Type the ID in the box to the right of the option.
Found in this Active Directory field…	Find the student ID in an Active Directory directory service field of the student's login account. Type the Active Directory directory service field name in the box to the right of the option.
Anonymous	Allow the student to use SMART Sync Student without entering an ID.

10. Select one of the following options, and then click **Next**.

Option	Click this option to:
My Documents folder	Store files the teacher shares with the student in the **My Documents** folder (Windows XP and Windows 7) or the **Documents** folder (Windows Vista).
Custom folder	Store files in another folder. Type the path to the folder in the box below the option.

11. Select one of the following options, and then click **Next**.

Option	Select this option to:
No security	Allow any teacher with SMART Sync Teacher to connect to the student.
Allow only teachers with this class password	Allow only teachers who enter a specified password in SMART Sync Teacher to connect to the student. Type the password in the two boxes to the right of the option.
Allow only Teachers who are part of the following group(s)	Allow only teachers in certain groups to connect to the student. Select the groups in the box below the option.

12. Click **Finish**.

    The *Restart Required to Apply Settings* message appears.

13. Click **OK**.

14. Restart the computer.

Automatically Configuring SMART Sync Student Installations

After you configure one SMART Sync Student installation, copy its **SyncClient.ini** file to a central location on your network. (The **SyncClient.ini** file is located in **%PROGRAMFILES%\SMART Technologies\SMART Sync Student**.) You can then:

- Copy the file to other SMART Sync Student installations to configure them automatically without running the configuration tool.
- Refer to the file when installing SMART Sync Student using the command line interface.

Chapter 4

Modifying or Removing SMART Sync

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After installing SMART Sync, you may need to modify it or remove it. You can use the same tools you used to install SMART Sync to modify or remove it.

Using the Command Line Interface

Using the SMART Sync Teacher and SMART Sync Student installation packages (see page 6), you can complete the following tasks from a command line interface:

- Adding or removing SMART Sync Teacher components
- Removing SMART Sync Teacher
- Removing SMART Sync Student

Adding or Removing SMART Sync Teacher Components

After installing the SMART Sync Teacher on a computer, you may decide to add or remove components. For example, you may have installed SMART Sync Teacher on the same computer you now want to install SMART Sync Class List Server and Administrator Tool on.

To add a component

1. Open a Command Prompt window.
2. Type the following command:

   ```
   msiexec /i "[Path]\SMART Sync 2010.msi" [Installation properties] [Add properties] /q
   ```

   Where:

   - *[Path]* is the path to the **SMART Sync 2010.msi** file.
   - *[Installation properties]* are the **INSTALL** properties of the components already installed.

     TIP

     If SMART Sync Teacher is already installed, you don't need to include the **INSTALLTEACHER** property, as it's enabled by default.

   - *[Add properties]* is the set of properties for the component you want to add:

Components	Add Properties
Teacher	`INSTALLTEACHER="1" REINSTALLMODE=voums ADDLOCAL=Teacher`
Class List Server	`INSTALLCLASSLISTSERVER="1" REINSTALLMODE=voums ADDLOCAL=ClassListServer`
Administrator Tool	`INSTALLADMINTOOL="1" REINSTALLMODE=voums ADDLOCAL=AdminTool`

   See page 39 for examples.

3. Press ENTER.

   Windows Installer adds the component you specified.

To remove a component

1. Open a Command Prompt window.
2. Type the following command:

   ```
   msiexec /i "[Path]\SMART Sync 2010.msi" [Remove properties] /q
   ```

   Where:

   - *[Path]* is the path to the **SMART Sync 2010.msi** file.
   - *[Remove properties]* is the set of properties for the component you want to remove:

Components	Add Properties
Teacher	`INSTALLTEACHER="" REINSTALLMODE=voums REMOVE=Teacher`
Class List Server	`INSTALLCLASSLISTSERVER="" REINSTALLMODE=voums REMOVE=ClassListServer`
Administrator Tool	`INSTALLADMINTOOL="" REINSTALLMODE=voums REMOVE=AdminTool`

   See page 40 for examples.

3. Press ENTER.

   Windows Installer removes the component you specified.

Component Addition Examples

The following example installs SMART Sync Administrator Tool on a computer that already has SMART Sync Teacher (but not SMART Sync Class List Server):

```
msiexec /i "D:\TeacherSetup\SMART Sync 2010.msi" INSTALLADMINTOOL=1 REINSTALLMODE=voums ADDLOCAL=AdminTools /qb
```

The following example installs SMART Sync Teacher on a computer that already has SMART Sync Administrator Tool (but not SMART Sync Class List Server):

```
msiexec /i "D:\TeacherSetup\SMART Sync 2010.msi" INSTALLADMINTOOL=1 INSTALLTEACHER=1 REINSTALLMODE=voums ADDLOCAL=Teacher /qb
```

The following example installs SMART Sync Class List Server on a computer that already has SMART Sync Teacher and Administrator Tool:

```
msiexec /i "D:\TeacherSetup\SMART Sync 2010.msi"
INSTALLADMINTOOL=1 INSTALLCLASSLISTSERVER=1
REINSTALLMODE=voums ADDLOCAL=ClassListServer /qb
```

Component Removal Examples

The following example removes SMART Sync Administrator Tool:

```
msiexec /i "D:\TeacherSetup\SMART Sync 2010.msi"
INSTALLADMINTOOL="" REINSTALLMODE=voums REMOVE=AdminTools /qb
```

Removing SMART Sync Teacher and Student

To remove SMART Sync Teacher

1. Open a Command Prompt window.
2. Type the following command:

   ```
   msiexec /x "[Path]\SMART Sync 2010.msi" /q
   ```

   Where *[Path]* is the path to the **SMART Sync 2010.msi** file.
3. Press ENTER.

   Windows Installer removes SMART Sync Teacher.

To remove SMART Sync Student

1. Open a Command Prompt window.
2. Type the following command:

   ```
   msiexec /x "[Path]\SMART Sync Student 2010.msi" /q
   ```

   Where *[Path]* is the path to the **SMART Sync Student 2010.msi** file.
3. Press ENTER.

   Windows Installer removes SMART Sync Student.

Using Third-Party Imaging or Remote Management Software

Using third-party imaging or remote management software, you can remove SMART Sync.

The following procedure shows how to remove SMART Sync using Windows operating systems' Group Policy-based deployment software. For information on removing software using your organization's third-party imaging or remote management software, see the software documentation.

NOTE

This procedure may vary depending on your version of Windows operating system and your system preferences.

To remove a deployed installation package

1. Open the Control Panel.
2. Double-click **Administrative Tools**.
3. Double-click **Active Directory Users and Computers**.

   The *Active Directory Users and Computers* window appears.
4. Right-click your school's domain, and then select **Properties**.

   The *Properties* dialog box appears.
5. Click the **Group Policy** tab, and then click **Edit**.

   The *Group Policy Object Editor* dialog box appears.
6. Browse to and open **Computer Configuration\Software Settings\Software Installation**.
7. Right-click the software you want to remove, and then select **All Tasks > Remove**.
8. Select **Immediately uninstall the software from users and computers**, and then click **OK**.

   The next time each computer on the domain starts, it automatically removes the software.

Appendix A
Windows Installer Properties, Parameters and Examples

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The SMART Sync installation packages contain all of the information that Windows Installer requires to install or remove the SMART Sync components. Run the MSI files from a command prompt to start Windows Installer and install or modify the software using available properties and parameters.

Properties

SMART Sync Teacher Installation Package

The following are properties for the SMART Sync Teacher installation package:

- **INSTALLDIR**

Value	Enter this value to:
[String]	Specify the path to your preferred folder for SMART Sync.

> **NOTE**
>
> If you don't include this property, Windows Installer installs SMART Sync in **C:\Program Files\SMART Technologies\SMART Sync 2010**.

- **INSTALLTEACHER**

Value		Enter this value to:
1	(Default)	Install SMART Sync Teacher.
[Null]		Not install SMART Sync Teacher.

- **INSTALLCLASSLISTSERVER**

Value		Enter this value to:
1		Install SMART Sync Class List Server.
[Null]	(Default)	Not install SMART Sync Class List Server.

- **INSTALLADMINTOOL**

Value		Enter this value to:
1		Install SMART Sync Administrator Tool.
[Null]	(Default)	Not install SMART Sync Administrator Tool.

- **ISX_SERIALNUM**

Value	Enter this value to:
[String]	Specify the 22-character product key you received from SMART Technologies.

- **INSTALL_SPU**

Value		Enter this value to:
1	(Default)	Install SMART Product Update.
[Null]		Not install SMART SMART Product Update.

- **PRODUCT_NOTIFICATION**

Value		Enter this value to:
1	(Default)	Notify the user when updates are available from SMART Product Update.
[Null]		Not notify the user when updates are available from SMART Product Update.

NOTE

This property is only applicable if you install SMART Product Update.

- **SPU_TIME_FRAME**

Value	Enter this value to:
[Integer]	Specify the time in days between SMART Product Update checks.

NOTES

- By default, SMART Product Update checks for product updates every 30 days. You can set it to check for product updates at intervals of one to 60 days.
- This property is only applicable if you install SMART Product Update.

- **SCHOOLFILE**

Value	Enter this value to:
[String]	Specify the path to the SMART School file.

NOTE

Before you can specify the path to a SMART School file, you must install SMART Sync Administrator Tool, and then use it to create the SMART School file.

- **TRANSFORMS**

Value	Enter this value to:
[String]	Specify a language MST file for the installation.

NOTES

- See *Locating Language Files* on page 7 for a list of supported languages and their MST files.
- Ensure the specified MST file is in the same folder as the MSI file.
- If you don't specify a language using **TRANSFORMS**, SMART Sync uses the computer's system language, if it is one of the languages supported by SMART Sync, or English (U.S.), if otherwise.

SMART Sync Student Installation Package

The following are properties for the SMART Sync Student installation package:

- **INSTALLDIR**

Value	Enter this value to:
[String]	Specify the path to your preferred folder for SMART Sync.

NOTE

If you don't include this property, Windows Installer installs SMART Sync in **C:\Program Files\SMART Technologies\SMART Sync Student**.

- **CREATE_SHORTCUTS**

Value		Enter this value to:
1	(Default)	Include shortcuts to SMART Sync in the **Start** menu and on the desktop.
[Null]		Not include shortcuts to SMART Sync in the **Start** menu and on the desktop.

- **PATHTOINI**

Value	Enter this value to:
[String]	Specify the full path and file name for the **SyncClient.ini** file.

NOTES

- If you've previously installed SMART Sync, you can run the SMART Sync Student Configuration Tool to create a **SyncClient.ini** file, which you can then refer to in this property.
- If you don't include this property, you can configure SMART Sync using the **SYNC_*** properties described below.
- If you don't include this property or the **SYNC_*** properties, Windows Installer refers to the **SyncClient.ini** file in the same folder as the MSI file. If Windows Installer can't find a **SyncClient.ini** file in this folder, it uses a default **SyncClient.ini** file.

- **SYNC_VISIBLE**

Value		Enter this value to:
1	(Default)	Show the SMART Sync Student user interface to the user.
0		Hide the SMART Sync Student user interface from the user.

- **SYNC_CONTEACHID**

Value	Enter this value to:
[String]	Specify a teacher ID to which SMART Sync will connect automatically.

NOTES

- If you set **SYNC_VISIBLE** to **0**, you must include this property, **SYNC_CONNECTIP** or **SYNC_NAMINGSERVERLOC**.
- If you include this property, don't include **SYNC_CONNECTIP** and **SYNC_NAMINGSERVERLOC**.

- **SYNC_CONNECTIP**

Value	Enter this value to:
[String]	Specify a teacher host name or IP address to which SMART Sync will connect automatically.

NOTES

- If you set **SYNC_VISIBLE** to **0**, you must include this property, **SYNC_CONTEACHID** or **SYNC_NAMINGSERVERLOC**.
- If you include this property, don't include **SYNC_CONTEACHID** and **SYNC_NAMINGSERVERLOC**.

- **SYNC_NAMINGSERVERLOC**

Value	Enter this value to:
[String]	Specify a SMART Sync Class List Server host name or IP address to which SMART Sync Student will connect automatically.

NOTES

- If you set **SYNC_VISIBLE** to **0**, you must include this property, **SYNC_CONTEACHID** or **SYNC_CONNECTIP**.
- If you include this property, don't include **SYNC_CONTEACHID** and **SYNC_CONNECTIP**.

- **SYNC_AUTOSTART**

Value		Enter this value to:
1	(Default)	Start SMART Sync when the student first logs on.
0		Not start SMART Sync when the student first logs on.

NOTE

This property is only applicable if you set **SYNC_VISIBLE** to **1**.

- **SYNC_ENABLEQUESTIONS**

Value		Enter this value to:
1	(Default)	Allow the student to ask questions through SMART Sync.
0		Not allow the student to ask questions through SMART Sync.

> **NOTE**
>
> This property is only applicable if you set **SYNC_VISIBLE** to **1**.

- **SYNC_ENABLECHAT**

Value		Enter this value to:
1	(Default)	Allow the student to chat with other students through SMART Sync.
0		Not allow the student to chat with other students through SMART Sync.

> **NOTE**
>
> This property is only applicable if you set **SYNC_VISIBLE** to **1**.

- **SYNC_ENABLEFILETRANSFER**

Value		Enter this value to:
1	(Default)	Allow the student to submit files through SMART Sync.
0		Not allow the student to submit files through SMART Sync.

> **NOTE**
>
> This property is only applicable if you set **SYNC_VISIBLE** to **1**.

- **SYNC_DISPLAYEXIT**

Value		Enter this value to:
1		Allow the student to close SMART Sync.
0	(Default)	Not allow the student to close SMART Sync.

> **NOTE**
>
> This property is only applicable if you set **SYNC_VISIBLE** to **1**.

- **SYNC_STUDIDMODE**

Value	Enter this value to:
0	Use a student ID found in an Active Directory directory service field specified in **SYNC_ACTDIRSTUDID**.
1	Use a student ID specified in **SYNC_STUDENTID**.
2	Allow the student to enter an ID when SMART Sync Student starts.
3	Allow the student to use SMART Sync Student without entering an ID.

NOTES

- If you set **SYNC_VISIBLE** to **1**, this property's default value is **2**.
- If you set **SYNC_VISIBLE** to **0**, this property's default value is **1**. In this situation, you must include **STUDENT_ID**.

- **SYNC_STUDENTID**

Value	Enter this value to:
[String]	Specify a student ID.

NOTES

If you include this property, **SYNC_STUDIDMODE** is set to **1** automatically.

- **SYNC_ACTDIRSTUDID**

Value	Enter this value to:
[String]	Specify the name or ID of an Activity Directory directory service field that contains the student's ID.

NOTES

If you include this property, **SYNC_STUDIDMODE** is set to **0** automatically.

- **SYNC_CUSTSHRDFOLDER**

Value		Enter this value to:
[Null]	(Default)	Store files the teacher shares with the student in the **My Documents** folder (Windows XP and Windows 7) or **Documents** folder (Windows Vista).
[String]		Store files the teacher shares with the student in another folder specified in this property.

Parameters

The following are the parameters for SMART Sync:

> **NOTE**
>
> These are standard Windows Installer parameters.

Parameter	Use this parameter to:
/q	Hide the installation wizard. **NOTE** This is Silent mode.
/qb	Show a basic installation wizard.
/qb!	Show a basic installation wizard without a *Cancel* button.
/qb+	Show a basic installation wizard with a dialog box signaling the end of the installation.
/qb+!	Show a basic installation wizard without a *Cancel* button but with a dialog box signaling the end of the installation.
/qr	Show a reduced installation wizard.
/qf	Show the full installation wizard, including a dialog box signaling the end of the installation or the *Fatal Error*, *User Exit* or *Exit* dialog box.
/qn	Hide the installation wizard and the dialog box signaling the end of the installation.
/qn+	Hide the installation wizard but show the dialog box signaling the end of the installation.

Examples

SMART Sync Teacher Installation Package

The following example installs SMART Sync Teacher but not SMART Sync Class List Server or Administrator Tool:

```
msiexec /i "D:\TeacherSetup\SMART Sync 2010.msi" /qb
```

The following example installs SMART Sync Class List Server and Administrator Tool but not SMART Sync Teacher:

```
msiexec /i "D:\TeacherSetup\SMART Sync 2010.msi"
INSTALLCLASSLISTSERVER="1" INSTALLADMINTOOL="1" /qb
```

SMART Sync Student Installation Package

Basic Installation with No Restart

The following example installs SMART Sync Student but prevents the computer from restarting automatically after the installation is complete:

```
msiexec /i "D:\StudentSetup\SMART Sync Student 2010.msi" /qb
-norestart
```

Customization Using a SyncClient.ini File

The following example customizes SMART Sync Student using a **SyncClient.ini** file:

```
msiexec /i "D:\StudentSetup\SMART Sync Student 2010.msi"
PATHTOINI="C:\Sync\StudentConfig\SyncClient.ini" /qb
```

Customization Using Command Line Properties

The following example customizes SMART Sync Student using command line properties:

```
msiexec /i "D:\StudentSetup\SMART Sync Student 2010.msi"
SYNC_VISIBLE="1" SYNC_CONTEACHID="jsmith" SYNC_ENABLECHAT="0"
SYNCSTUDIDMODE="2" SYNC_CUSTSHRDFOLDER="C:\SyncShare" /qb
```

Appendix B
SMART Install Manager

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SMART Install Manager allows you to customize SMART software installation packages (also known as MSI files) by publishing MST files. You can then install the MSI and MST files on computers using third-party imaging or remote management software.

Installing SMART Install Manager

You can install SMART Install Manager from the included CD.

OR

You can download and install SMART Install Manager from the SMART Support website.

To install the software from the CD

1. Insert the CD in your computer's CD drive. A dialog box appears.

   NOTE

   If the dialog box doesn't appear, browse to and open ***[CD Drive]*\CDBrowser.exe** in Windows Explorer.

2. Click **Administrator Preparation and Tools**, and then click **Install SMART Install Manager**.

   The *SMART Install Manager* installation wizard appears.

3. Follow the on-screen instructions to install SMART Install Manager.

To install the software from the website

1. Go to www.smarttech.com/downloads.
2. Click the appropriate link under *Admin tools*.
3. Follow the on-screen instructions to download the **Install Manager.exe** file.
4. Double-click the **Install Manager.exe** file.

   The *SMART Install Manager* installation wizard appears.
5. Follow the on-screen instructions to install SMART Install Manager.

Using SMART Install Manager

After you install SMART Install Manager, shortcuts to the software appear on the desktop and in the Start menu under **All Programs > SMART Technologies > SMART Install Manager**.

With SMART Install Manager, you can do the following:

- Open an installation package.
- Save your changes to the installation package.
- Publish your changes to the installation packages as an MST file.

Opening an Installation Package

To customize an installation package, open its MSI file in SMART Install Manager by doing one of the following:

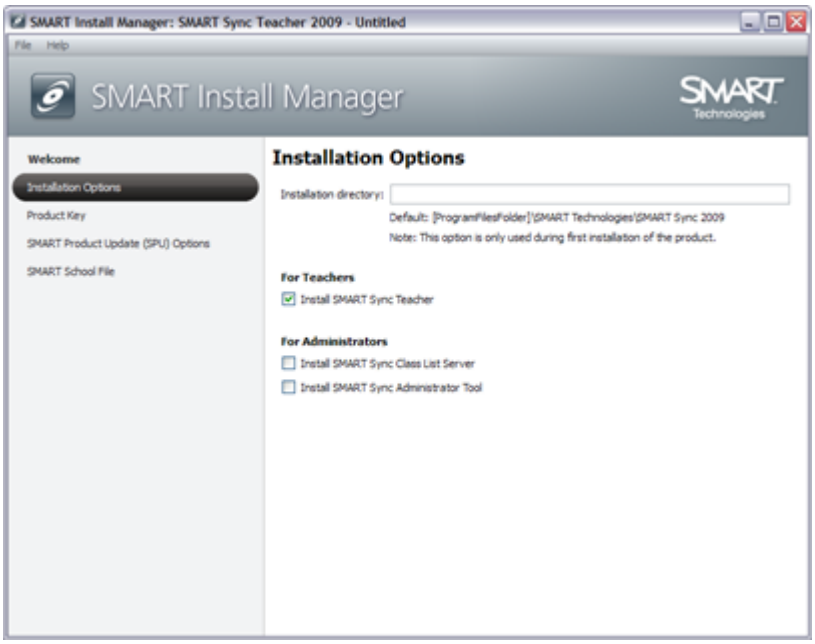
- Select **File > Open**.
- Click .
- Click and drag the MSI file into the *SMART Install Manager* window.

Alternatively, you can search for installation packages on your computer by clicking , or on CDs or DVDs by clicking .

TIP

All installation packages you've previously opened in SMART Install Manager appear in the *Unmodified Packages* tab.

After you open an installation package, a set of pages for that installation package appear in SMART Install Manager:



Customize the installation package using the controls in these pages.

Saving Your Changes

After customizing an installation package, you can save your changes as an XML file by selecting **File > Save As**. When you next start SMART Install Manager, you can load the XML file by selecting **File > Open**, or by opening the MSI file, and then selecting **File > Import**.

TIP

All XML files you create or open in SMART Install Manager appear in the *Modified Packages* tab of the *Welcome* page.

Publishing Your Changes as an MST File

The final step in using SMART Install Manager to customize an installation package is to publish your changes as an MST file. Do this by selecting **File > Publish**, and then using the dialog box to define a location for and create the MST file.

TIP

Publish the MST file in the same network location as the MSI file.

Customizing the SMART Sync Teacher Installation Package

To customize the SMART Sync Teacher installation package, open the **SMART Sync 2010.msi** file in SMART Install Manager (see *Using SMART Install Manager* on page 54), and then complete the following procedures.

To set installation options

1. Click **Installation Options**.

   The *Installation Options* page appears.

2. In the *Installation directory* box, type the path to your preferred folder for SMART Sync.

   NOTE

   If you don't include this property, Windows Installer installs SMART Sync in **C:\Program Files\SMART Technologies\SMART Sync 2010**.

3. Select the check boxes of the software components you want to install.
4. Click **Product Key**.

   The *Product Key* page appears.

5. In the *Product key* box, type your school's 22-character product key for SMART Sync.

To configure SMART Product Update

1. Click **SMART Product Update (SPU) Options**.

   The *SMART Product Update (SPU) Options* page appears.

2. Select the **Install SMART Product Update** check box to install SMART Product Update.
3. In the *Check for updates* box, type the number of days between SMART Product Update checks.

   NOTE

   By default, SMART Product Update checks for product updates every 30 days. You can set it to check for product updates at intervals of one to 60 days.

4. Select the **Notify users about SMART product updates** check box to notify the user when product updates are available.

To specify a SMART School file

1. Click **SMART School File**.

   The *SMART School File* page appears.

2. In the *SMART School file* box, type the path to the SMART School file.

   OR

   Click **Browse**, and then use the resulting dialog box to browse to and select the SMART School file.

   NOTE

   Before you can specify the path to a SMART School file, you must install SMART Sync Administrator Tool, and then use it to create the SMART School file.

Customizing the SMART Sync Student Installation Package

To customize the SMART Sync Student installation package, open the **SMART Sync Student 2010.msi** file in SMART Install Manager (see *Using SMART Install Manager* on page 54), and then complete the following procedures.

When customizing the SMART Sync Student installation package, you can configure the software by using either a **SyncClient.ini** file or the controls in SMART Install Manager.

To set installation options

1. Click **Installation Options**.

   The *Installation Options* page appears.

2. In the *Installation directory* box, type the path to your preferred folder for SMART Sync.

   NOTE

   If you don't include this property, Windows Installer installs SMART Sync in **C:\Program Files\SMART Technologies\SMART Sync Student**.

3. Select the **Install Start menu and desktop shortcuts** check box to create shortcuts to SMART Sync in the Start menu and on the desktop.

To configure SMART Sync Student using a SyncClient.ini File

1. Click **Student Configuration File**.

   The *Student Configuration File* page appears.

2. In the *Configuration file* box, type the full path and file name for the **SyncClient.ini** file.

   OR

   Click **Browse**, and then use the resulting dialog box to browse to and select the **SyncClient.ini** file.

> **NOTE**
>
> If you've previously installed SMART Sync, you can run the SMART Sync Student Configuration Tool to create a **SyncClient.ini** file, which you can then refer to in this box.

To configure SMART Sync Student using SMART Install Manager

1. Click **Interface**.

   The *Interface* page appears.

2. Select one of the following options:

Option	Select this option to:
Visible to students	Show the SMART Sync user interface to the student.
Hidden from students	Hide the SMART Sync user interface from the student.

> **NOTE**
>
> If you click **Hidden from students**, the student won't be able to do the following:
>
> - Connect to a teacher by selecting his or her name from a list
> - Manually start SMART Sync Student
> - Manually enter an ID after starting SMART Sync Student

3. Click **Startup**.

   The *Startup* page appears.

4. Select one of the following options:

Option	Select this option to:
Allows the student to select from a list of available teachers	Allow the student to select a teacher from a list. **NOTE** This option is disabled if you clicked **Hidden from student** in step 2.
Automatically connects with this Teacher ID	Connect SMART Sync to a specific teacher through the teacher's ID. Type the ID in the box to the right of the option.
Automatically connects with this hostname or IP address	Connect SMART Sync to a specific teacher through the host name or IP address. Type the host name or IP address in the box below the option. **NOTE** If your network uses DHCP, refer to the computer by host name rather than by IP address.
Uses this Class List Server hostname or IP address	Connect SMART Sync to a specific teacher using SMART Sync Class List Server. Type the host name or IP address of the SMART Sync Class List Server computer in the box below the option. **NOTE** If your network uses DHCP, refer to the SMART Sync Class List Server computer by host name rather than by IP address.

IMPORTANT

If you clicked **Hidden from student** in step 2 but do not provide a teacher ID, host name or IP address in this step, the student will not be able to connect to a teacher.

5. Click **Options**.

   The *Options* page appears.

6. Clear the **Start SMART Sync automatically**… check box if you do not want SMART Sync Student to start when the student first logs on.

NOTE

This check box is disabled if you selected **Hidden from student** in step 2.

7. Select the following check boxes:

Check Box	Select this check box to:
Ask questions	Allow the student to ask questions through SMART Sync.
Chat	Allow the student to chat with other students through SMART Sync.
Submit files	Allow the student to submit files through SMART Sync.
Exit the Student program	Allow the student to close SMART Sync Student.

> **NOTE**
>
> These check boxes aren't visible if you clicked **Hidden from student** in step 2.

8. Click **Student ID**.

   The *Student ID* page appears.

9. Select one of the following options:

Option	Select this option to:
Student Controlled	Allow the student to enter an ID when SMART Sync Student starts. **NOTE** This option is disabled if you clicked **Hidden from student** in step 2.
The following	Enter a specific student ID. Type the ID in the box to the right of the option.
Found in this Active Directory field…	Find the student ID in an Active Directory directory service field of the student's login account. Type the Active Directory directory service field name in the box to the right of the option.
Anonymous	Allow the student to use SMART Sync Student without entering an ID.

10. Click **Shared Files Folder**.

    The *Shared Files Folder* page appears.

11. Select one of the following options:

Option	Select this option to:
My Documents folder	Store files the teacher shares with the student in the **My Documents** folder (Windows XP or Windows 7) or **Documents** folder (Windows Vista).
Custom folder	Store files in another folder. Type the path to the folder in the box below the option.

SMART™

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